

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/091,373	03/04/2002	Hiroshi Ito	ARC920010125US1	7246
7590 07/26/2005			EXAMINER	
J. Elin Hartrum			WALKE, AMANDA C	
REED & ASSOCIATES Suite 210			ART UNIT	PAPER NUMBER
800 Menlo Avenue			1752	
Menlo Park, CA 94025			DATE MAILED: 07/26/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(a)			
	Application No.	Applicant(s)			
Office Action Commerce	10/091,373	ITO, HIROSHI			
Office Action Summary	Examiner	Art Unit			
<u> </u>	Amanda C. Walke	1752			
The MAILING DATE of this communica Period for Reply	tion appears on the cover sheet wi	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA - Extensions of time may be available under the provisions of 3 after SIX (6) MONTHS from the mailing date of this communic - If the period for reply specified above is less than thirty (30) da - If NO period for reply is specified above, the maximum statute - Failure to reply within the set or extended period for reply will, Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	ATION. 7 CFR 1.136(a). In no event, however, may a recation. ays, a reply within the statutory minimum of thirty by period will apply and will expire SIX (6) MON by statute, cause the application to become AB.	eply be timely filed (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed of	on <u>24 September 2004</u> .				
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<i>,</i> —					
closed in accordance with the practice.	under <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 1-31 is/are pending in the app 4a) Of the above claim(s) is/are 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-31 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction	withdrawn from consideration.				
Application Papers					
9) The specification is objected to by the E	xaminer.				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objectio	n to the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the	e correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).			
11)☐ The oath or declaration is objected to by	y the Examiner. Note the attached	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
· · · · · · · · · · · · · · · · · · ·	cuments have been received. cuments have been received in A the priority documents have been I Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO		ummary (PTO-413))/Mail Date			
 Notice of Draftsperson's Patent Drawing Review (PTO- 3) Information Disclosure Statement(s) (PTO-1449 or PTO- Paper No(s)/Mail Date 		formal Patent Application (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-3, 5, 7-12, 15, 17-19, 21, 24, and 29-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Toshio et al (JP 60-042411 in view of its English language abstract).

Toshio et al disclose a fluorine-containing polymer comprised of at least two monmeric units, and I and II appear to meet the instant claim limitations. The resultant polymer may be employed in a resist composition.

Claim Rejections - 35 USC § 103

3. Claims 4, 6, 13, 14, 16, 20, and 25-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zampini et al (WO 02/21216) in view of Toshio et al.

Zampini et al disclose a photoresist composition comprising monomers having electronegative groups. The composition may comprise fluorine-containing monomers such as (meth)acrylates and vinyl ethers along with monomers having the structures seen on pages 12, 13, 15, 23, and 24.

Toshio et al has been discussed above.

It would have been obvious to one of ordinary skill in the art to prepare the material of Zampini et al choosing to employ the known monomers of Toshio et al as the fluorine-containing

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methacrylate/ vinyl ether monomers with reasonable expectation of achieving a material which may form a pattern having high resolution.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amanda C. Walke whose telephone number is 571-272-1337. The examiner can normally be reached on M-R 5:30-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Amanda C Walke

Examiner

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ACW July 21, 2005